Science and engineering profile: Ohio

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	20,540	620,140	9
S&E doctorates awarded, 2007	1,144	31,801	9
Engineering (%)	28	24	–
Life sciences (%)	26	26	–
Physical sciences (%)	15	13	–
SEH postdoctorates in doctorate-granting institutions, 2006	972	49,201	16
SEH graduate students in doctorate-granting institutions, 2006	21,263	542,073	8
Population, 2008 (thousands)	11,486	308,014	7
Civilian labor force, 2008 (thousands)	5,972	155,366	7
Personal income per capita, 2007 (dollars)	34,468	38,615	33
Federal spending			
Total expenditures, 2007 ($millions)	105,214	2,532,073	7
R&D obligations, 2006 ($millions)	2,420	107,545	11
Total R&D performance, 2006 ($millions)	9,431	335,377	12
Industry R&D, 2006 ($millions)	6,852	243,853	11
Academic R&D, 2007 ($millions)	1,807	49,406	9
Life sciences (%)	62	60	–
Engineering (%)	20	15	–
Physical sciences (%)	6	8	–
SBIR awards, 2000–07	1,796	44,157	8
Utility patents issued to state residents, 2008	2,227	77,493	11
Gross domestic product, 2007 ($billions)	466	13,832	7

– = no value possible.

S&E = science and engineering; SEH = science, engineering, and health; SBIR = small business innovation research.

NOTES: Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico. Rankings are based on unrounded totals; they do not account for margin of error of estimates from sample surveys. Employed SEH doctorate holders include only recipients of U.S. doctoral degrees. State estimates for employed SEH doctorate holders may have large sampling errors because the source for these data, the Survey of Doctorate Recipients, was not designed to provide a sample for estimates at the state level; these data are classified by the state where the doctorate holder resides, if known; otherwise, data are classified by employer's location.

Federal obligations for research and development, by agency and performer: Ohio, FY 2006

(Thousands of dollars)

	Performer							
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State, local governments	Rank
All agencies	2,420,136	749,536	0	791,722	682,061	191,778	5,039	11
Department of Agriculture	28,995	9,490	0	97	19,328	30	50	28
Department of Commerce	3,013	0	0	473	1,162	741	637	26
Department of Defense	1,318,302	597,860	0	638,316	56,917	25,209	0	12
Department of Energy	37,688	1,759	0	10,004	16,133	9,792	0	18
Department of Health and Human Services	694,646	15,482	0	37,227	510,639	129,503	1,795	10
Department of Homeland Security	22,056	13,874	0	542	0	7,391	249	16
Department of the Interior	2,734	2,211	0	35	109	0	379	33
Department of Transportation	22,197	4,700	0	14,641	1,845	991	20	6
Environmental Protection Agency	116,350	104,160	0	8,350	1,565	1,175	1,100	2
National Aeronautics and Space Administration	103,963	0	0	75,775	10,836	16,683	669	10
National Science Foundation	70,192	0	0	6,262	63,527	263	140	18
Rank	11	7	–	15	10	9	24	–

– = no value possible.

FFRDC = federally funded research and development center.

NOTES: Federal R&D obligations are as reported by funding agencies. Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Statistics. Data compiled from numerous sources; see the section, "Data Sources for Science and Engineering State Profiles."